PREDATOR HELIOS NEO 16

Windows 11

intel CORE i7

intel CORE i5

NVIDIA
Advance Optimus

Liquid Metal &
5th Gen
AeroBlade 3D Fan

Turbo up to
Max Graphics
Power

THUNDERBOLT.
Full-Function Thunderbolt™
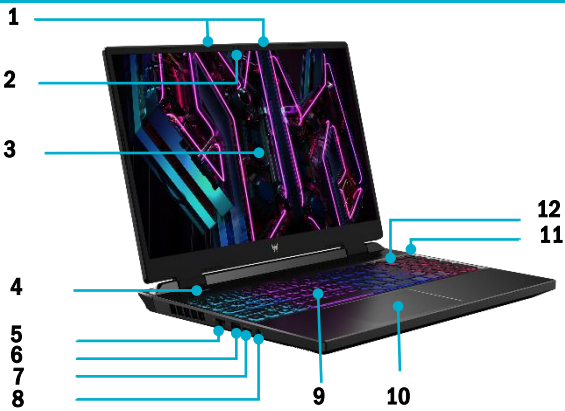4

Killer
DoubleShot™ Pro

HDMI
HDMI 2.1

Product views

1.	Microphones	6.	USB 3.2 Gen 1 port	11.	Power button
2.	Webcam	7.	MicroSD card reader	12.	PredatorSense key
3.	16.0" display	8.	Headset/speaker jack	13.	Battery indicator
4.	Mode key	9.	Keyboard	14.	Power indicator
5.	Ethernet (RJ-45) port	10.	Touchpad	15.	USB 3.2 Gen 2 port

16.	USB 3.2 Gen 2 port with power-off charging
17.	Kensington lock slot
18.	Power connector (DC-in)
19.	HDMI® 2.1 port
20.	Two USB Type-C™ ports (Thunderbolt™ 4)

Operating system[1]	Windows 11 Home
CPU and chipset[1]	Intel® Core™ i5-13500HX processor Mobile Intel® HM770 PCH Chipset
Memory[1, 2, 3]	Dual-channel DDR5 SDRAM support 16 (2*8) GB of DDR5 system memory Upgradable up to 32 GB of DDR5 system memory Memory Frequency: Up to 4800 MT/s
Display[4]	16.0" display with IPS (In-Plane Switching) technology, WUXGA 1920 x 1200, high-brightness (400 nits) Acer ComfyView™ LED-backlit TFT LCD, supporting 165 Hz, Grey to Grey 3 ms by Overdrive, Nvidia Advanced Optimus capable. ● 16:10 aspect ratio, sRGB 100% ● Wide viewing angle up to 170 degrees ● Ultra-slim design Mercury free, environment friendly
Graphics[1, 5]	● NVIDIA® GeForce RTX™ 4050 with 6 GB of dedicated GDDR6 VRAM
Audio	● DTS® X:Ultra Audio, featuring optimized Bass, Loudness, Speaker Protection with up to 6 custom content modes by smart amplifier ● Supported in Windows Spatial Sound for PC Gaming with DTS license integrated ● Immersive audio rendering over headphones and internal speakers ● Acer Purified.Voice technology with AI noise reduction in dual built-in microphones. Features include far-field pickup, dynamic noise reduction through neural network, adaptive beam forming, and pre-defined personal and conference call modes. ● Compatible with Cortana with Voice ● Acer TrueHarmony technology for lower distortion, wider frequency range, headphone-like audio and powerful sound
Storage[1, 6]	**Solid state drive:** ● 512 GB, PCIe Gen4, 16 Gb/s, NVMe
Webcam[1]	UFC with ● Narrow USB HD camera ● Compatible with Windows ● 1280 x 720 resolution ● 720p HD video at 30 fps with Temporal Noise Reduction ● Blue Glass lens ● Dual Mic (33 mm + 33 mm) ● 86 x 3.2 x 2.6 mm
Wireless and networking[1]	**WLAN** ● Killer™ Wi-Fi 6 AX 1650i ● 802.11 a/b/g/n+acR2+ax wireless LAN ● Dual Band (2.4 GHz and 5 GHz) ● 2x2 MU-MIMO technology ● Supports Bluetooth® 5.1 or above **LAN** ● Killer™ Ethernet E2600 ● 10/100/1000 Mbps ● Hibernation mode support ● Wake On Lan support ● IPv4 and IPv6 support
Security	Firmware Trusted Platform Module (TPM) solution BIOS user, supervisor, HDD passwords Kensington lock slot
Dimensions and weight[7, 8]	**Dimensions:** 360.1 (W) x 279.9 (D) x 26.55/28.25 (H) mm (14.18 x 11.02 x 1.05/1.11 inches) **Weight:** ● 2.6 kg (5.73 lbs.) with 4-cell battery pack
Power adapter and battery[9, 10]	**Power adapter:** ● 3-pin 230 W 5.5 PHY AC adapter **Battery:** 90 Wh 4-cell Li-ion battery
Input and control	**Keyboard:** 103-/104-/107-key FineTip RGB-backlit keyboard with independent standard numeric keypad, international language support **Touchpad:** Multi-gesture touchpad, supporting two-finger scroll; pinch; gestures to open Cortana, Action Center, multitasking; application commands ● Microsoft Precision Touchpad certification ● Moisture resistant **Control Keys** Mode Key
Windows Desktop Apps[11]	● Planet9 Stub(For Gaming) ● Acer Care Center ● PredatorSense ● Acer Product Registration
Warranty	One-year International Travelers Warranty (ITW)

1. Specifications vary depending on model.
2. Shared system memory may be allocated to support graphics, depending on system memory size and other factors. Actual system memory available to the operating system will be reduced by any memory used by the graphics solution and resources required by the operating environment.
3. Memory speed may vary, depending on the CPU, chipset or memory fitted.
4. All brands and product names mentioned herein include trademarks of their respective companies and are used solely to describe or identify the products.
5. 1 GB is 1 billion bytes. Actual formatted capacity is less and may vary depending on preloaded materials and operating environment. Acer Recovery Management uses a portion of the stated hard disk capacity as dedicated backup space.
6. Minor variations in system dimensions are possible due to the manufacturing process.
7. Weight may vary depending on product configuration, vendor components, manufacturing variability, and selected options.
8. Actual battery life may vary considerably by specifications, depending on product model, configuration, applications, power management settings, operating conditions, and features utilized. Performance variation also arises based on components in use, which includes but is not limited to the processor, RAM capacity, storage, display and resolution, etc.
9. Bundled software may vary depending on hardware configuration, OS and regional availability.

About Acer

Founded in 1976, Acer is one of the world's top ICT companies with a presence in more than 160 countries. As Acer evolves with the industry and changing lifestyles, it is focused on enabling a world where hardware, software and services will fuse with one another, creating ecosystems and opening up new possibilities for consumers and businesses alike. Acer's 7,500 employees are dedicated to the research, design, marketing, sale, and support of products and solutions that break barriers between people and technology. Please visit www.acer.com for more information.